Enterprise Resource Planning (ERP) brief TMMA Conference

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Division ERP Leads

- **Don Collins — Division Lead**
  - **Tom Perry — LCM/ISEA lead**
  - **Tim Kriegel — Technical documentation integration lead**
  - **Walt Kostyk — ERP Norfolk Waterfront lead and Division Liaison**

Briefing Agenda

- ERP Defined
- Current Navy ERP projects
- What is NEMAIS?
- “As Is” and “To Be” vision
- What is the NETS?
- Notional ERP Deployment Schedule
- Norfolk Regional Maintenance – Phase A
- SAP software Solution
- ERP Project Metrics

ERP acronyms

- **NEMAIS** ***Navy Enterprise Maintenance Automated Information System***

  (the maintenance business "Enterprise")

- **SAP** ***Systems Application Project***

  (the ERP COTS "software")

- **NETS** ***Navy Enterprise Team Ships***

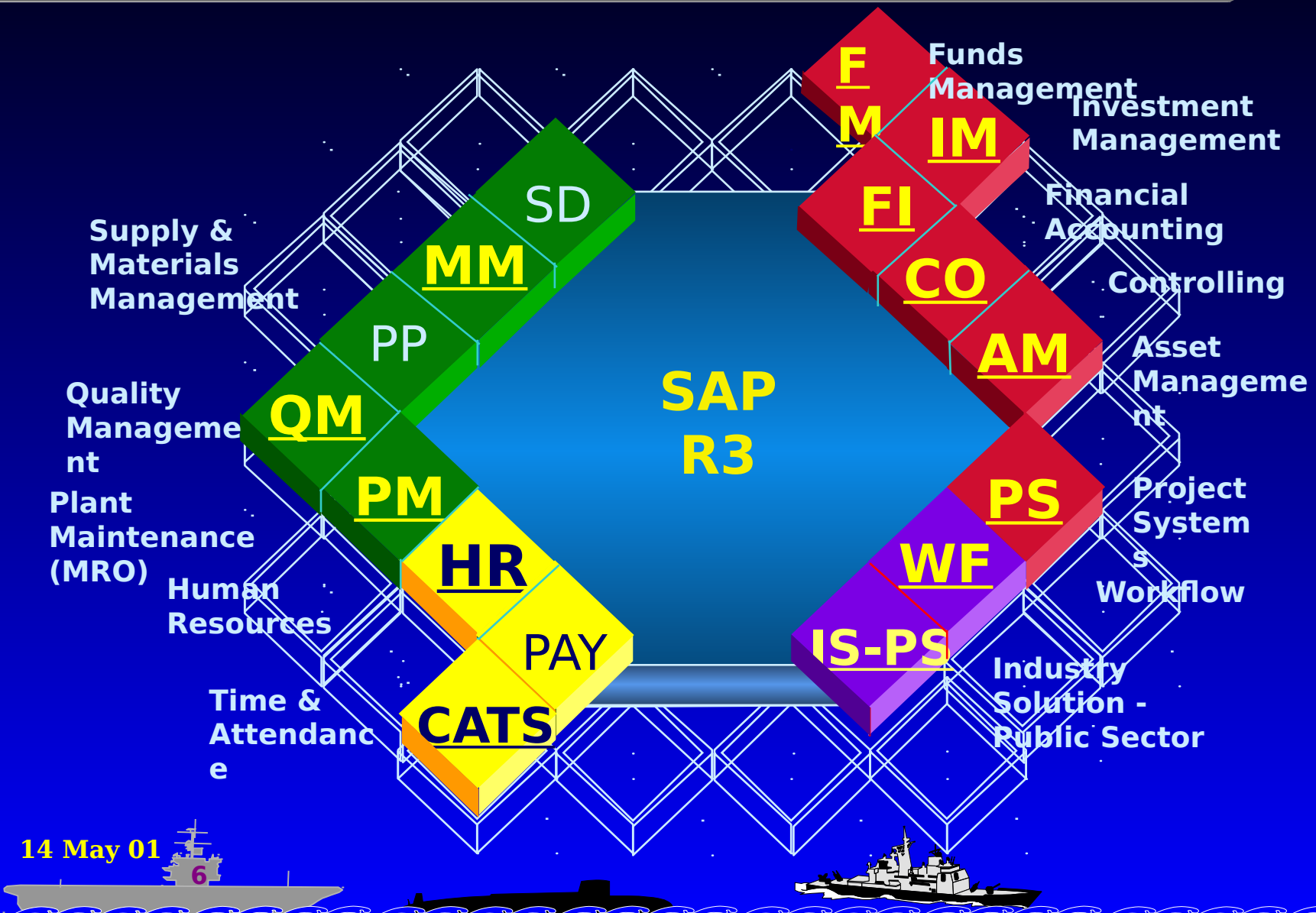
  (the "team")

ERP Defined

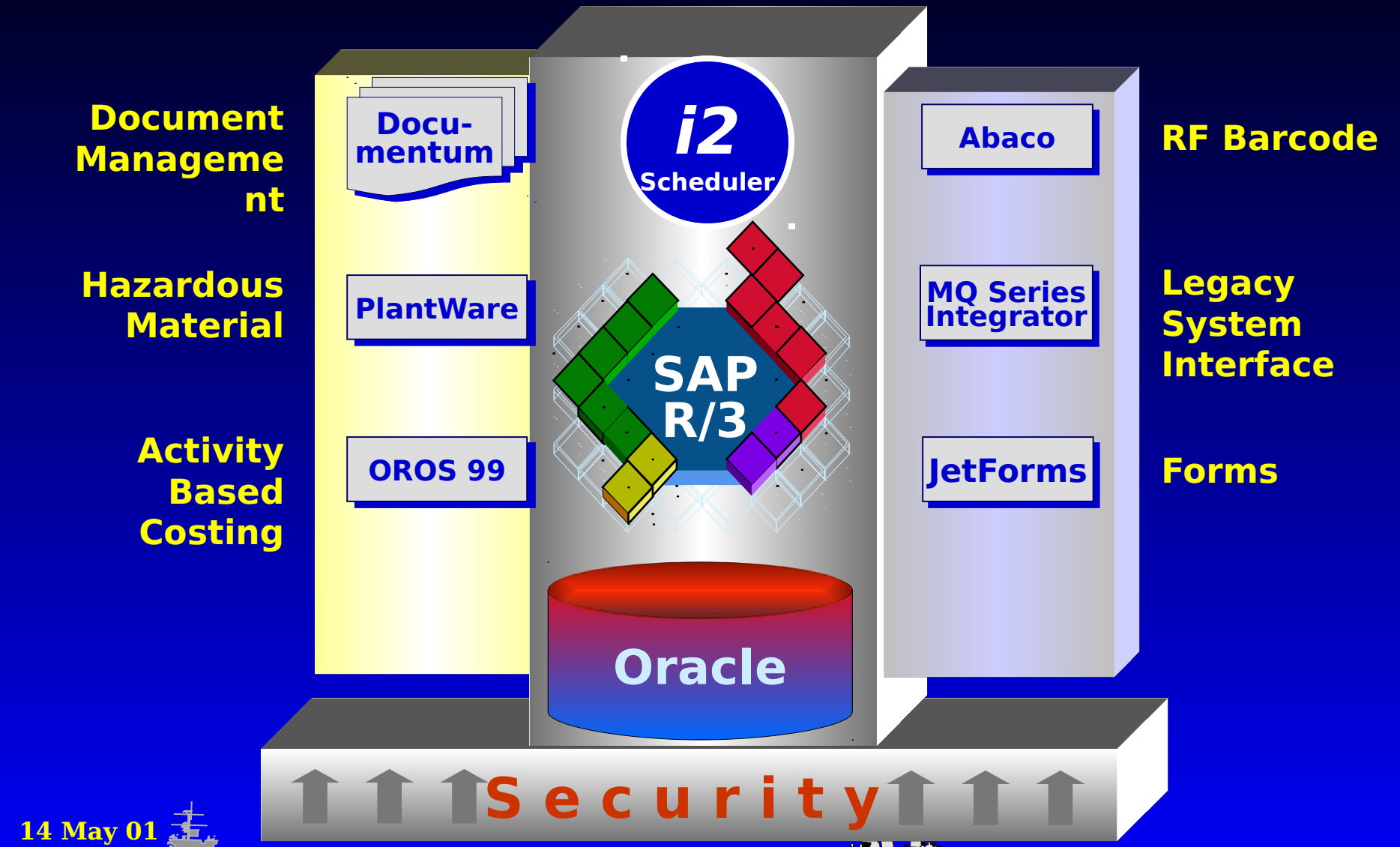
- **Enterprise Resource Planning (ERP) is a core Information System that will enable the Navy to improve and standardize business processes across Organizational, Intermediate, and Depot maintenance activities.**

- **An ERP Solution will:**
  - ***Integrate business processes.***
  - ***Share common data and processes across Navy Ship Maintenance organizations.***
  - ***Make data available in a near real-time environment.***
  - ***Provide consistent information across ship classes.***

The SAP Solution



Software Technical Solution



Current Navy ERP Projects

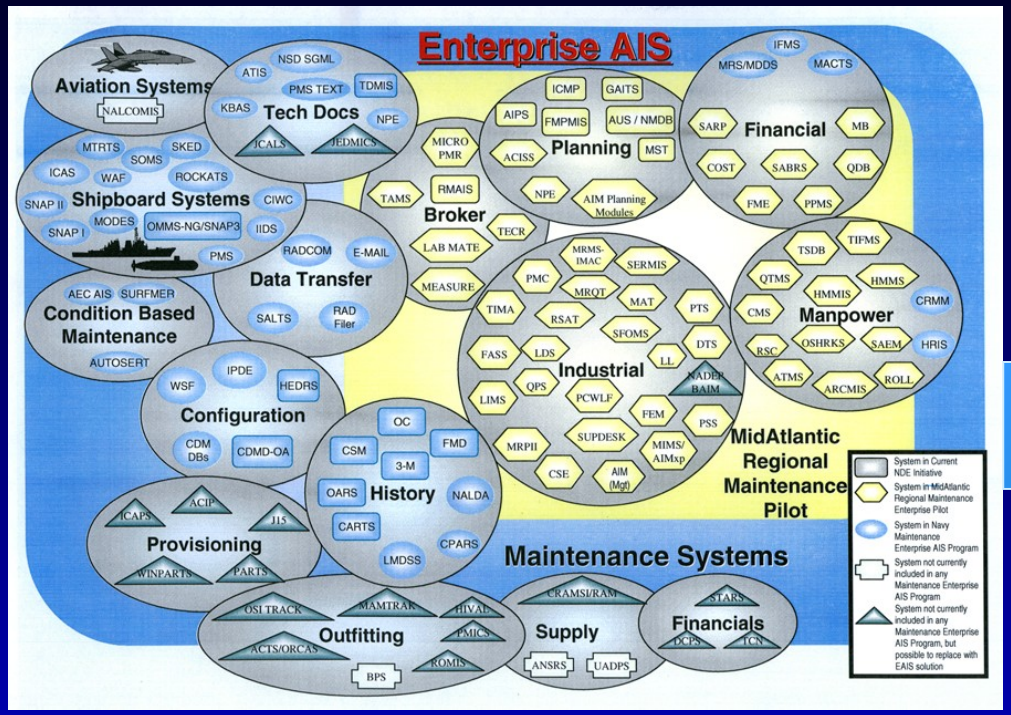
Project	Sponsor	Core s/w
Program Management	NAVAIR	SAP
Supply & Maintenance Aviation Re-engineering (SMART)	NAVSUP/NAVAIR	SAP
Navy Working Capital Fund	SPAWAR	SAP
Regional Maintenance (NEMAIS)	*NAVSEA/CLF*	*SAP*

- **4 Approved and Funded Programs**
- **Each Program is 12-18 months**
- **NAVAIR and NAVSUP/NAVAIR Pilots team with E-2 community for "proof of concept"**

What is NEMAIS?

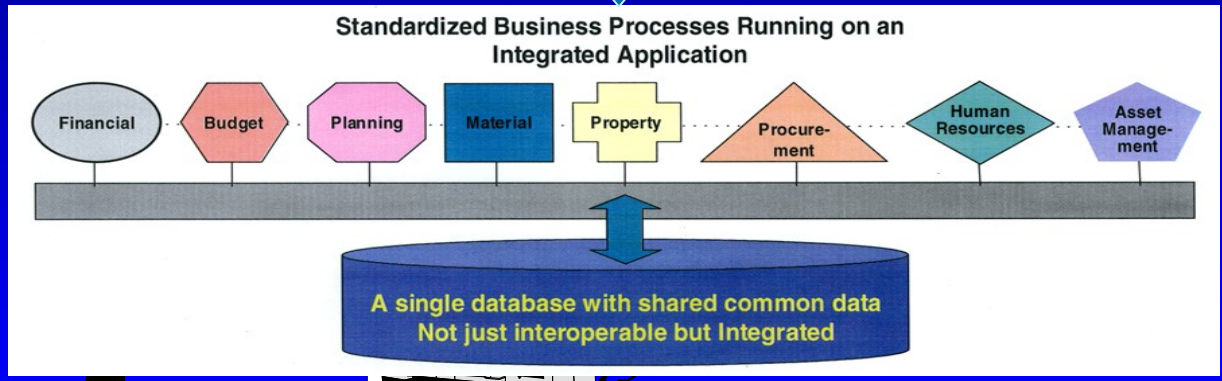
- **The Navy Enterprise Maintenance Automated Information System (NEMAIS) is a phased effort that will install an ERP System in all Naval Shipyards, Supervisor of Shipbuilding sites, Shore Intermediate Maintenance Activities, Trident Refit Facilities, and all Naval ships and submarines.**

Regional Maint ERP "As Is" & "To Be"



What We Have Today

What ERP can Provide



NEMAIS Partners - NETS Team

NAVY

NAVSEA
NAVAL SEA SYSTEMS COMMAND

COMMANDER IN CHIEF U.S. ATLANTIC FLEET

COMMANDER IN CHIEF UNITED STATES PACIFIC FLEET

VENDOR

IBM

SAIC

KPMG

DSIC

LOCKHEED MARTIN

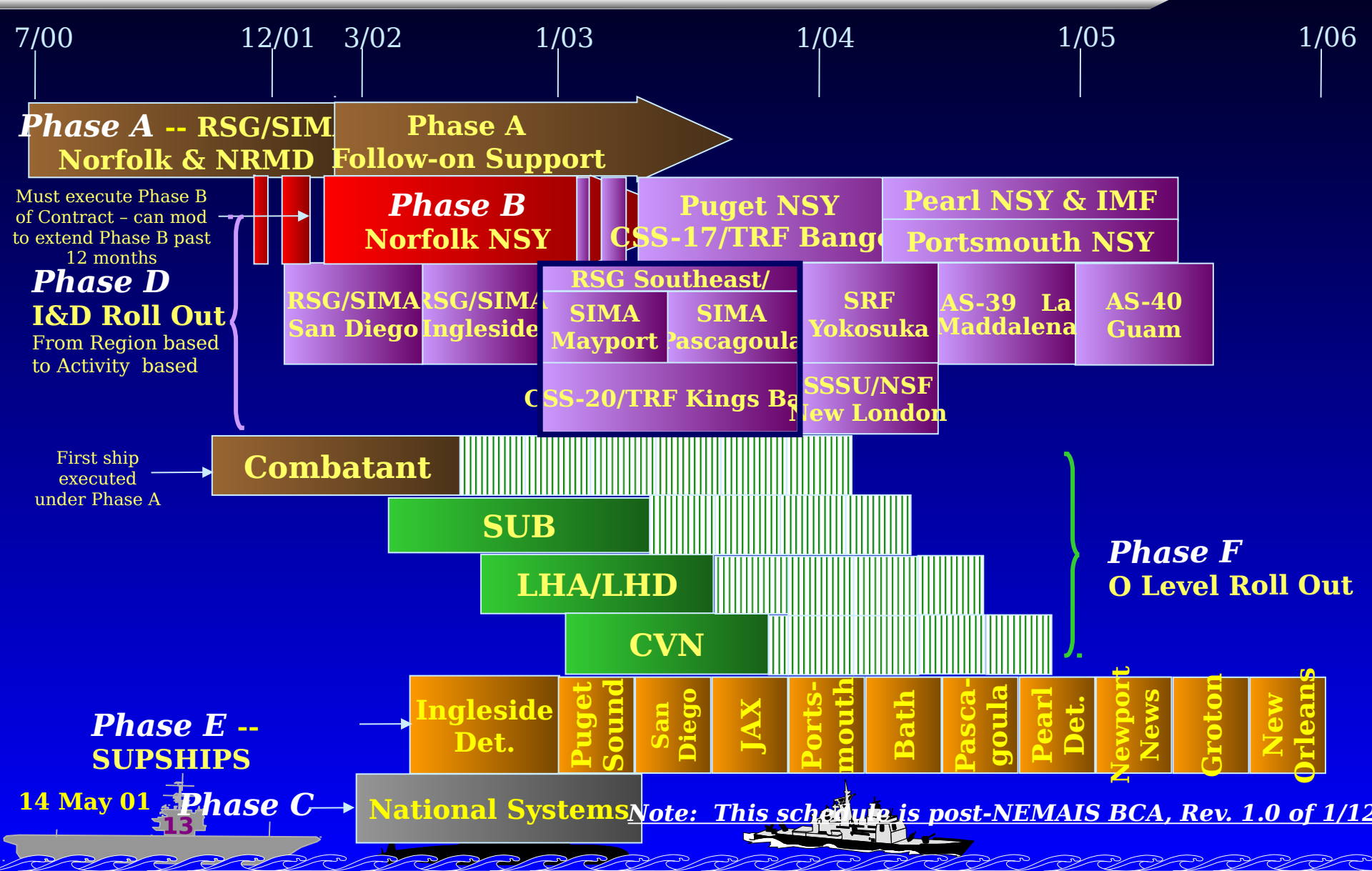
SAP

Navy Enterprise Team Ships

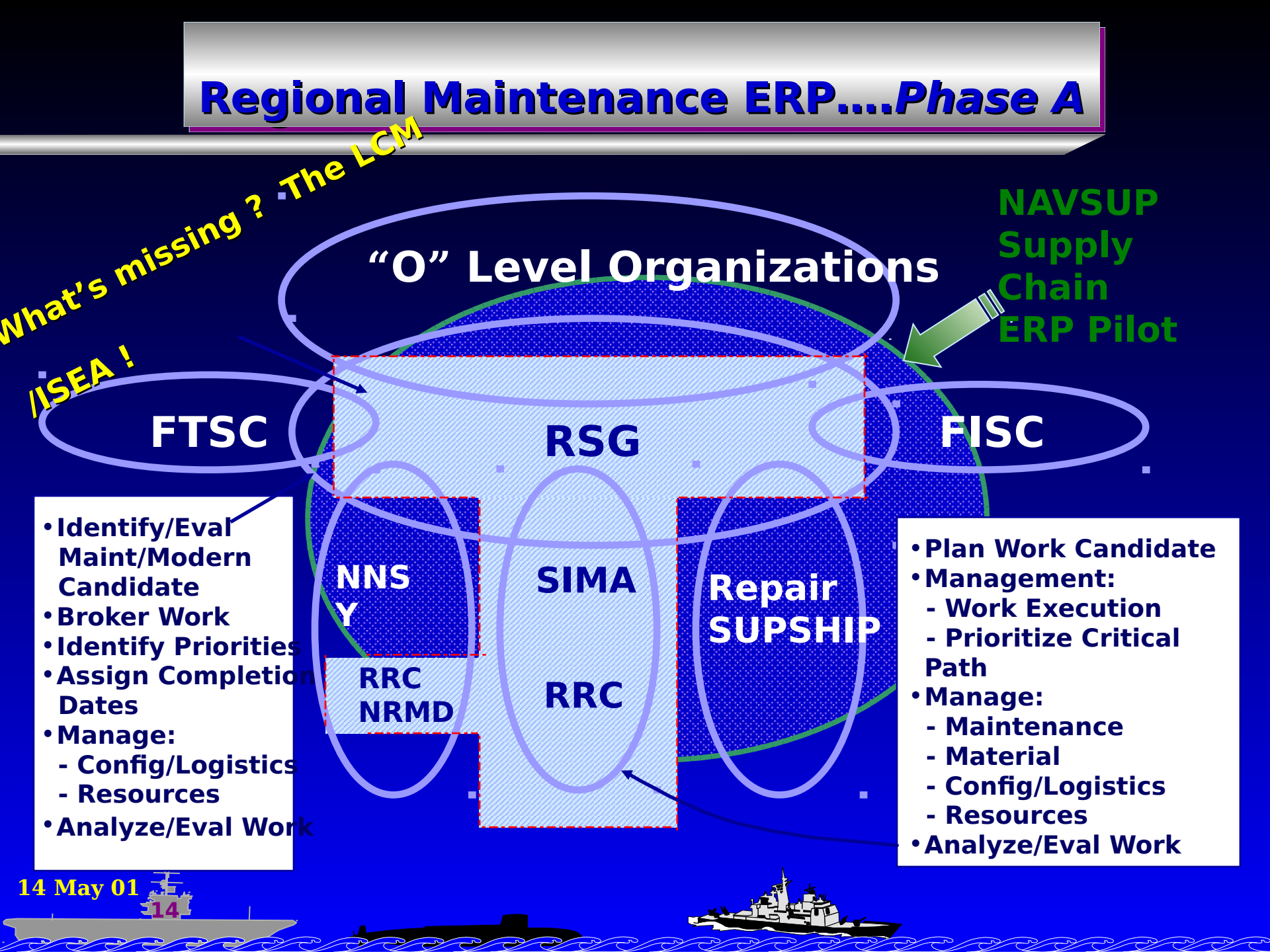
What is the NETS?

- The Navy Enterprise Team Ships (NETS) is a team of approximately 130 government and 120 vendor full-time personnel tasked with developing, testing and implementing the NEMAIS solution. More than 15 commands (including TYCOMs, FTSC, RSG, SIMA, SPAWAR, NNSY, Supships, and NAVSEA) have provided personnel to support this effort.

Notional Deployment Schedule



Regional Maintenance ERP....*Phase A*



ERP Project Metrics

- Must be operational at RSG/SIMA Norfolk
  by May 02 (?)
- Must be extensible to O, I, and D Level activities in all regions
- Leverage best practices from industry and government
- No core code software changes

What has happened to date

- 12 February 01 - NETS team brief NAVSEA Philadelphia (NSWCCD) Senior Leaders and requested ISEA/LCM participation
- 30 March 01 - NETS OPS LOG Documentation Lead requested NSWC assistance in developing the “To-Be” business process model for Managing Technical Documentation
- 7 April 01 - Mr. Gundrum NSWC BIM, task Tim Kriegel NAVSEA Philadelphia, to lead implementation of the NEMAIS “Blueprint” for NSWC and requested we engage as much of NSWC as possible

What has happened to date

- 1 May - 3 May "To-Be" business process model for Managing Technical Documentation Workshop hosted by NAVSEA Philadelphia
  - Philadelphia (T. Kriegel/M. Cohen/J. Grugan/T. Bodman and others)
  - Carderock (J. Garner and others)
  - Port Hueneme (W. Honea and others)
  - Crane (S. Rhea and others)
  - Dahlgren (T. Armentrout and others)
  - Indian Head (D. Krause)
  - NSDSA (B. Titsworth)
  - OPNAV N40 (J. Lindsey)
  - NAVSEA 04L (D. Cross-Cole)
  - NUWC, FTSCPAC/LANT, PSNS, Electric Boat, AMSEC LLC and others.....
  - SEA92L (L. McGowan provided input to White Paper)

What has happened to date

- **Working Groups were established to define "To-Be" process for:**
  - **Determine Technical Authority**
  - **Issue notification of new technical documentation**
  - **Create new document**
  - **Convert document**
  - **Search for existing or related technical documentation**
  - **Issue notification of change**
  - **Validate change request**
  - **Assign security (existing and new documentation**
    - **Copies of the models or "Swim Lanes" are available upon request**

What has happened to date

- June 01 – provided sample TMs and EOSS PDF files with associated Meta Data to NETS Team
  - Purpose: Test the linkage from a Master Record to data loaded in Documentum
- July 01 - provided PDF copies of
  - Over 2,000 HM&E equipment TMs and all NSTMs
  - All EOSS
    - Includes associated meta data for both product lines

What has happened to date

- July 01- Coordinated NSWC review of Proposed Technical Data Interface Specification
  - Provided Consolidated NSWC Comments 7/01
  - To date no reply…….
- Oct 01 MOA and Interface Specs was signed by NAVSEA 04L1 which provides….
  - Coordination Requirements
  - Process, procedures, responsibilities for development, testing and implementation of NEMAIS
- Oct 01 Working with NAVSEA 04M to develop requirements to map PMS data into SAP
  - XML

NEMAIS ERP Program

Proposed NSWCCD Initiatives

Five Proposed NSWCCD Initiatives

- Technical Documentation
- "Automated ISE" Notification Generator (Online ICAS Data Source)
- "Automated ISE" Notification Generator (Offline Data/Info Source)
- NEMAIS & SAP Application for ISE/LCM
- Business System Conversion

- All five to be defined and constrained by sponsor-approved requirements. All five to use the same NEMAIS connectivity.

NSWC-CD NEMAIS/ERP Strategy Summary